

Storm Data and Unusual Weather Phenomena

April 2001

Location	Date	Time Local/ Standard	Path Length (Miles)	Path Width (Yards)	Number of Persons Killed Injured	Estimated Damage Property Crops	Character of Storm
INDIANA, Northeast							
Allen County Ft Wayne	06	0200EST			0 0	25K	Thunderstorm Wind
							Warehouse at 4413 Dalman Rd had garage door and north wall blown out.
Allen County Hessan Castle	06	0205EST			0 0	2K	Thunderstorm Wind
							Fence destroyed. Post driven through a bedroom window. Gutter blown off a house.
Wabash County 2 E Lagro	07	2320EST			0 0		Hail (0.88)
Elkhart County Goshen	08	2318EST			0 0		Hail (1.00)
Cass County Walton	09	1729EST			0 0		Hail (0.88)
Miami County Grissom Afb	09	1733EST			0 0		Hail (0.88)
Wabash County Somerset	09	1733EST			0 0		Hail (0.75)
Cass County Onward	09	1735EST			0 0		Hail (1.00)
Miami County 7 SSW Peru	09	1744EST			0 0		Hail (1.75)
Miami County Mexico	09	1745EST			0 0		Hail (1.00)
Miami County 9 SSE Peru	09	1750EST			0 0		Hail (1.00)
Pulaski County 3 NW Medaryville	09	1752EST			0 0		Hail (1.75)
Miami County Bunker Hill	09	1755EST			0 0		Hail (1.75)
							Several cars were reported damaged by the large hail.
Starke County 3 SW North Judson	09	1756EST			0 0		Hail (1.75)
Miami County 1 W Peru	09	1800EST			0 0		Hail (0.75)
Wabash County 9 S Wabash	09	1823EST			0 0		Hail (0.75)
Grant County 3 W Marion to Marion	09	1825EST			0 0		Hail (0.88)
Wabash County Somerset	09	1829EST			0 0		Hail (0.75)
Grant County 8 E Marion	09	1845EST			0 0		Hail (1.75)
Grant County Marion	09	1845EST			0 0		Hail (0.88)
							Power lines reported blown down.

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INDIANA, Northeast									
Cass County Lake Cicott	09	1850EST			0	0			Hail (0.75)
Fulton County Fulton	09	1856EST			0	0			Hail (1.25)
Grant County Arcana	09	1900EST			0	0	0		Thunderstorm Wind
		Roof blown of a barn.							
Miami County 2 N Peru to Erie	09	1900EST			0	0	50K		Thunderstorm Wind
		Several homes sustained window and siding damage due to the hail and high winds.							
Miami County Erie	09	1903EST			0	0			Hail (1.75)
Grant County Arcana	09	1905EST			0	0			Hail (2.00)
Wabash County Somerset	09	1909EST			0	0			Hail (1.25)
Wabash County 1 SW Wabash	09	1909EST			0	0			Hail (1.00)
Wabash County 3 S Wabash to 1 S Wabash	09	1909EST			0	0			Hail (0.88)
Blackford County 2 N Hartford City	09	1920EST			0	0			Hail (4.50)
		Power lines down.							
Blackford County Hartford City	09	1923EST			0	0			Hail (1.75)
		Golfball size hail reported across the county.							
Wabash County Somerset	09	1924EST			0	0			Hail (1.00)
Wabash County La Fontaine	09	1928EST			0	0			Hail (0.88)
Blackford County 3 NE Hartford City	09	1930EST			0	0			Hail (0.88)
Grant County Marion	09	1930EST			0	0			Hail (1.00)
Grant County Arcana	09	1935EST			0	0			Hail (1.75)
Grant County Arcana	09	1935EST			0	0	150K		Thunderstorm Wind
		Several roofs reported blown off. Many trees down.							
Jay County 14 NW Portland	09	1940EST			0	0			Hail (1.75)
Jay County Pennville	09	1942EST			0	0			Hail (1.75)
De Kalb County Auburn	09	1948EST			0	0			Hail (1.00)

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INDIANA, Northeast

Reported along CR 35 on the east side of Auburn.

Jay County Portland	09	1953EST			0	0			Hail (1.75)
Blackford County Hartford City	09	1955EST			0	0			Hail (1.75)
Jay County Redkey	09	2002EST			0	0	0		Thunderstorm Wind
		Trees down.							
White County 6 W Brookston	09	2255EST			0	0			Hail (0.75)
White County 6 W Chalmers	09	2312EST			0	0			Hail (0.75)
Kosciusko County 2 N North Webster	10	0058EST			0	0			Hail (0.75)
Noble County Cromwell	10	0110EST			0	0			Hail (0.75)
Noble County Ligonier	10	0117EST			0	0			Hail (1.75)
Lagrange County Topeka	10	0125EST			0	0			Hail (0.75)
White County 1 S Reynolds	10	0128EST			0	0			Hail (0.75)
Noble County Rome City	10	0133EST			0	0			Hail (1.75)
Noble County Ligonier	10	0145EST			0	0			Hail (1.25)
Steuben County 1 W Salem Center	10	0154EST			0	0			Hail (0.88)
Steuben County Angola	10	0208EST			0	0			Hail (0.88)

Synoptic and mesoscale conditions on April 9th, 2001...

A stalled frontal boundary extended from northern Ohio back west into northeast Missouri with a developing surface low pressure wave near Quincy, Illinois Monday afternoon. This wave intensified late in the afternoon as a shortwave trough embedded within the southern periphery of a significant upper jet maxima of 120 knots over Minnesota pulled out into the upper Midwest. Wind profilers at both Wolcott, Indiana and Winchester, Illinois indicated rapid backing low level winds and increasing speed convergence around 2500 feet coincident with rapid convective initiation along the frontal boundary from Logansport to Rensselaer.

Storms rapidly intensified with CAPES (Convective Available Potential Energy, a measure of parcel buoyancy) south of the frontal boundary up to 3000 J/kg. In addition...several storm scale mergers were observed with a left over outflow boundary from prior convection. Thunderstorm intensification was very rapid owing to the large amount of instability in place along and south of a Monticello to Muncie line. Deep layer shear to 50 knots was more than sufficient for supercell development. Indeed most storms along the outflow boundary exhibited strong rotation...mainly at mid-levels but two storms in particular that moved across Cass, Miami, Grant, Blackford and Jay exhibited persistent, deep rotation with several funnel cloud reports but failed to produce any confirmed tornadoes. However...these two storms did produce prodigious large hail...up to 4.5 inches in diameter just north of Hartford City.

White County Brookston	10	0014EST			0	0			Hail (0.88)
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White County Wolcott	10	0014EST			0	0			Hail (0.88)
Kosciusko County 1 S Sidney	12	0047EST			0	0	0		Thunderstorm Wind
Trees and power lines blown down.									
INZ004>005-014-014 St. Joseph - Elkhart - Marshall	12	0700EST 1000EST			0	1	0		High Wind (G52)^M
A large tree and several limbs were blown down in Granger leaving 2600 people without power for a time. An additional 2900 people were without power across the county with several tree limbs blown down on power lines.									
Cass County 2 SE Royal Center	23	1506EST			0	0	0		Thunderstorm Wind
One large tree blown down across the road along 400N and US 35.									
Cass County 5 NW Logansport	23	1508EST			0	0	0		Thunderstorm Wind
Large tree blown down.									
Miami County Macy	23	1515EST			0	0	0		Thunderstorm Wind
Large tree limbs down on several roads.									
Miami County 5 E Peru	23	1515EST			0	0	0		Thunderstorm Wind
Several tree limbs blown down along Wabash road.									
Kosciusko County 1 NW North Webster	23	1537EST			0	0	0		Thunderstorm Wind
Large limb blown down.									
Starke County San Pierre	23	1705EST			0	0	0		Thunderstorm Wind
Large tree blown down taking power lines down with it.									
Pulaski County 3 S Medaryville	23	1725EST			0	0	0		Thunderstorm Wind
Large tree blown down along US 421.									